

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|-----------------|------------------|---------|------------------|
| L16 | 295428 | (position\$1 same (gain or amplitude or weight)) | US-PGPUB; USPAT | OR | OFF | 2008/06/24 13:09 |
| L17 | 2133 | 16 and "381"/\$.cols. | US-PGPUB; USPAT | OR | OFF | 2008/06/24 13:09 |
| L18 | 70 | 16 and 381/102 | US-PGPUB; USPAT | OR | OFF | 2008/06/24 13:10 |
| L19 | 245 | (subwoofer or woofer) same (gain or weight) | US-PGPUB; USPAT | OR | OFF | 2008/06/24 15:30 |
| L20 | 7 | 19 and 381/102 | US-PGPUB; USPAT | OR | OFF | 2008/06/24 15:30 |
| L21 | 420 | 381/102 | US-PGPUB; USPAT | OR | OFF | 2008/06/24 15:34 |
| L22 | 152666 | (frequency) same (gain or weight) | US-PGPUB; USPAT | OR | OFF | 2008/06/24 15:39 |
| L23 | 187 | 22 and 381/102 | US-PGPUB; USPAT | OR | OFF | 2008/06/24 15:39 |
| L25 | 43 | "5789689" | US-PGPUB; USPAT | OR | OFF | 2008/06/24 16:43 |
| S1 | 1 | "20070030977" | US-PGPUB; USPAT | OR | OFF | 2007/11/12 10:17 |
| S2 | 166 | 381/17 and weight\$3 | US-PGPUB; USPAT | OR | OFF | 2007/11/12 10:20 |
| S3 | 42 | 381/17 and weight\$3 and array | US-PGPUB; USPAT | OR | OFF | 2007/11/12 10:23 |
| S4 | 21 | 381/17 and weight\$3 and (array same speaker\$1) | US-PGPUB; USPAT | OR | OFF | 2007/11/12 10:28 |
| S5 | 8 | 381/300 and weight\$3 and (array same speaker\$1) | US-PGPUB; USPAT | OR | OFF | 2007/11/12 10:45 |
| S6 | 6 | 381/27 and weight\$3 and (array same speaker\$1) | US-PGPUB; USPAT | OR | OFF | 2007/11/12 10:46 |
| S7 | 15 | 381/27 and (weight\$3 or gain) and (array same speaker\$1) | US-PGPUB; USPAT | OR | OFF | 2007/11/12 10:47 |
| S8 | 5 | 381/27 and ((weight\$3 or gain) same center) and (array same speaker\$1) | US-PGPUB; USPAT | OR | OFF | 2007/11/12 10:53 |

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|-----|-----|--|------------------------------|----|-----|---------------------|
| S9 | 0 | 381/387 and ((weight \$3 or gain) same center) and (array same speaker\$1) | US-PGPUB; USPAT | OR | OFF | 2008/01/07 03:07 |
| S10 | 141 | ((weight\$3 or gain) same center) and (array same speaker \$1) | US-PGPUB; USPAT | OR | OFF | 2007/11/12 12:22 |
| S11 | 11 | ("4071848" "4589137" "4677676" "4815139" "4829590" "5216721" "5216722" "5343211" "5438624" "5515060" "5581620").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/12 11:39 |
| S12 | 8 | (hamming near function) and (array same speaker\$1) | US-PGPUB; USPAT | OR | OFF | 2007/11/12 12:22 |
| S13 | 9 | ("5317304" "5493273" "5535135" "5690893" "5860936" "5924979" "6093153" "6147674" "6199018").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/12 12:25 |
| S14 | 10 | ("4497023" "4597100" "4622689" "4685134" "4736333" "4933768" "5095798" "5233664" "5386082" "5459790").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/12 13:23 |
| S15 | 22 | "5396560" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/12 13:25 |
| S16 | 50 | "5276739" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/12 13:25 |
| S17 | 1 | "20070030977" | US-PGPUB; USPAT | OR | OFF | 2007/12/10 06:25 |
| S18 | 895 | 381/17 | US-PGPUB; USPAT | OR | OFF | 2007/12/10 06:25 |
| S19 | 150 | S18 and array | US-PGPUB; USPAT | OR | OFF | 2007/12/10 06:31 |
| S20 | 685 | S18 and (array near speaker\$1) | US-PGPUB; USPAT | OR | OFF | 2007/12/10 06:32 |

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|-----|-------|--|--------------------|----|-----|---------------------|
| S21 | 47 | S18 and (array near speaker\$1) | US-PGPUB; USPAT | OR | OFF | 2007/12/10 06:33 |
| S22 | 6 | S18 and ((array near speaker\$1) same (low near frequency)) | US-PGPUB; USPAT | OR | OFF | 2007/12/10 07:23 |
| S23 | 37 | ((array near speaker \$1) same (low near frequency)) | US-PGPUB; USPAT | OR | OFF | 2007/12/10 08:09 |
| S24 | 3 | ((array near speaker \$1) same (low near frequency) same gain) | US-PGPUB; USPAT | OR | OFF | 2007/12/10 07:35 |
| S25 | 12 | ((array near speaker \$1) same (low near frequency)) and gain | US-PGPUB; USPAT | OR | OFF | 2007/12/10 08:10 |
| S26 | 0 | 381/96 and ((weight\$3 or gain) same center) and (array same speaker\$1) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 15:49 |
| S27 | 490 | 381/96 | US-PGPUB; USPAT | OR | OFF | 2008/01/02 15:50 |
| S28 | 1 | "20070030977" | US-PGPUB; USPAT | OR | OFF | 2008/01/02 15:55 |
| S29 | 14033 | "0010" | US-PGPUB; USPAT | OR | OFF | 2008/01/02 15:50 |
| S30 | 29 | S27 and ((gain or weight) same center) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 16:01 |
| S31 | 4 | S27 and ((gain or weight) same center same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 16:04 |
| S32 | 2 | 381/97 and ((gain or weight) same center same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 16:09 |
| S33 | 0 | 381/95 and ((gain or weight) same center same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 16:10 |
| S34 | 6 | 381/89 and ((gain or weight) same center same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 16:12 |
| S35 | 18 | 381/89 and ((gain or weight) same low same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 16:24 |
| S36 | 32 | 381/96 and ((gain or weight) same low same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 17:16 |
| S37 | 10 | 381/97 and ((gain or weight) same low same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 17:45 |

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|-----|-----|--|------------------------------|----|-----|---------------------|
| S38 | 11 | ("20020186854" "20030021433" "20030190047" "20030210800" "20040032955" "20040105550" "20040105559" "4769848" "4885782" "5119420" "5668884").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/02 17:19 |
| S39 | 7 | 381/95 and ((gain or weight) same low same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 17:50 |
| S40 | 17 | 381/77 and ((gain or weight) same low same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 18:29 |
| S41 | 11 | ("20020186854" "20030021433" "20030190047" "20030210800" "20040032955" "20040105550" "20040105559" "4769848" "4885782" "5119420" "5668884").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/02 18:17 |
| S42 | 4 | 381/80 and ((gain or weight) same low same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 18:35 |
| S43 | 2 | 381/81 and ((gain or weight) same low same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 18:36 |
| S44 | 31 | 381/81 and (low same speakers) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 18:36 |
| S45 | 86 | 381/96 and (low same speakers) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 18:57 |
| S46 | 199 | 381/96 and (frequencysame speakers) | US-PGPUB; USPAT | OR | OFF | 2008/01/06 14:48 |
| S47 | 119 | 381/96 and (frequency same speakers) | US-PGPUB; USPAT | OR | OFF | 2008/01/02 19:25 |
| S48 | 8 | ("20030086577" "4622691" "5138665" "5146507" "5172417" "5255323" "6501843" "6961438").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/02 19:02 |
| S49 | 70 | 381/97 and (frequency same speakers) | US-PGPUB; USPAT | OR | OFF | 2008/01/03 13:33 |

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|-----|-----|--|------------------------------|----|-----|---------------------|
| S50 | 1 | "7027600" | US-PGPUB; USPAT | OR | OFF | 2008/01/03 13:33 |
| S51 | 10 | "5974152" | US-PGPUB; USPAT | OR | OFF | 2008/01/03 13:34 |
| S52 | 1 | "7116788" | US-PGPUB; USPAT | OR | OFF | 2008/01/03 13:34 |
| S53 | 1 | "20070030976" | US-PGPUB; USPAT | OR | OFF | 2008/01/03 14:13 |
| S54 | 490 | 381/96 | US-PGPUB; USPAT | OR | OFF | 2008/01/03 14:13 |
| S55 | 8 | ("20030086577" "4622691" "5138665" "5146507" "5172417" "5255323" "6501843" "6961438").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/03 14:15 |
| S56 | 61 | ("3357291" "3524143" "3539699" "3683293" "3835409" "4151477" "4175462" "4194165" "4211893" "4251688" "4495640" "4627094" "4809336" "4811401" "4843390" "4852444" "4901618" "4937874" "4984495" "4992751" "4995084" "5007324" "5009146" "5009147" "5012199" "5023915" "5032796" "5060179" "5074184" "5074185" "5086475" "5094138" "5097741" "5119430" "5131044" "5133014" "5138926" "5159144" "5173834" "5197102" "5198603" "5212676" "5262580" "5268527" "5270475" "5270476" "5308916" "5367120" "5387876" "5393926" "5434536" "5486646" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/03 14:20 |

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| | | "5509080" "5524055" "5543579" "5578948" "5613010" "5617058").PN. | | | | |
| S57 | 7 | ("5617480" "5930374" "6317117" "6405227" "6606388" "6674864" "6775385").PN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2008/01/03 15:43 |
| S58 | 19 | ("3369176" "3805155" "4144490" "4346268" "4370650" "4520503" "4618981" "4811395" "5475315" "5568559" "5633909" "5644495" "5644505" "5748001" "5757939" "5793956" "5812506" "5818240").PN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2008/01/03 16:11 |
| S59 | 16 | 381/96 and (frequency same speakers) and midrange | US-PGPUB; USPAT | OR | OFF | 2008/01/06 14:48 |
| S60 | 16 | konagai-yusuke\$.in. | US-PGPUB; USPAT | OR | OFF | 2008/01/06 21:30 |
| S61 | 11 | "4862508" | US-PGPUB; USPAT | OR | OFF | 2008/01/07 04:54 |
| S62 | 6 | "5750943" | US-PGPUB; USPAT | OR | OFF | 2008/01/07 04:54 |

6/ 24/ 2008 5:06:33 PM

C:\ Documents and Settings\ gmonikang\ My Documents\ EAST\ Workspaces\ array speaker
system.wsp